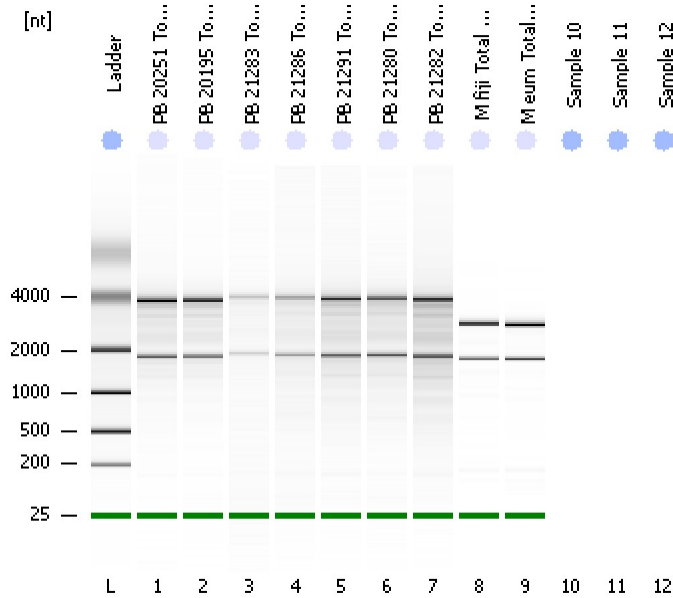


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

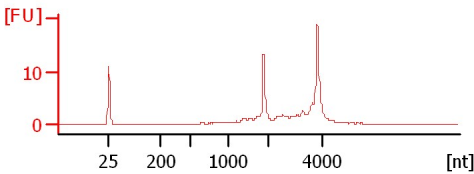
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

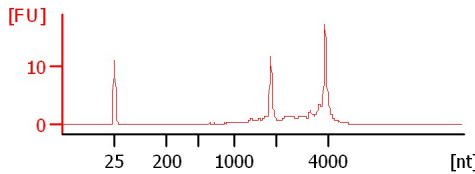
Chip Information:

Chip Lot #:   
Reagent Kit Lot #:   
Chip Comments:

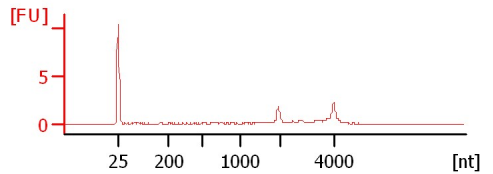
**PB 20251 Total RNA**  
RIN: 8.70



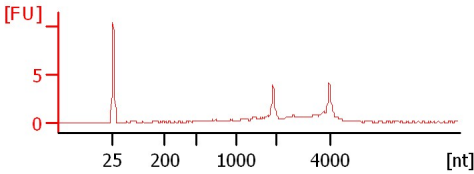
**PB 20195 Total RNA**  
RIN: 8.90



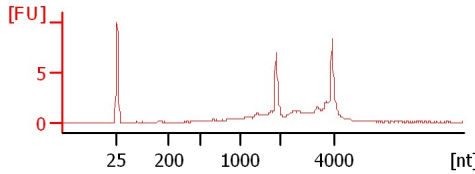
**PB 21283 Total RNA**  
RIN: 7.30



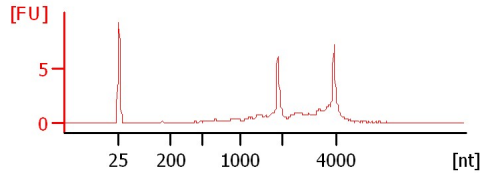
**PB 21286 Total RNA**  
RIN: 7.30



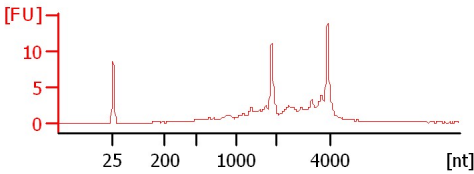
**PB 21291 Total RNA**  
RIN: 7.60



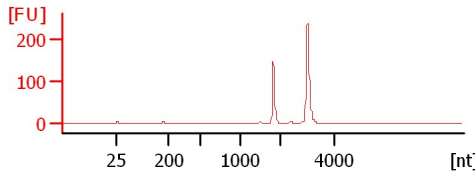
**PB 21280 Total RNA**  
RIN: 7.70



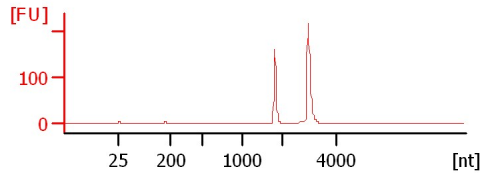
**PB 21282 Total RNA**  
RIN: 6.90



**M fiji Total RNA 1:5**  
RIN: 7.40



**M eum Total RNA 1:3**  
RIN: 6.50



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
PB 20251 Total RNA		✓	RIN: 8.70	
PB 20195 Total RNA		✓	RIN: 8.90	
PB 21283 Total RNA		✓	RIN: 7.30	
PB 21286 Total RNA		✓	RIN: 7.30	
PB 21291 Total RNA		✓	RIN: 7.60	
PB 21280 Total RNA		✓	RIN: 7.70	
PB 21282 Total RNA		✓	RIN: 6.90	
M fiji Total RNA 1:5		✓	RIN: 7.40	
M eum Total RNA 1:3		✓	RIN: 6.50	
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

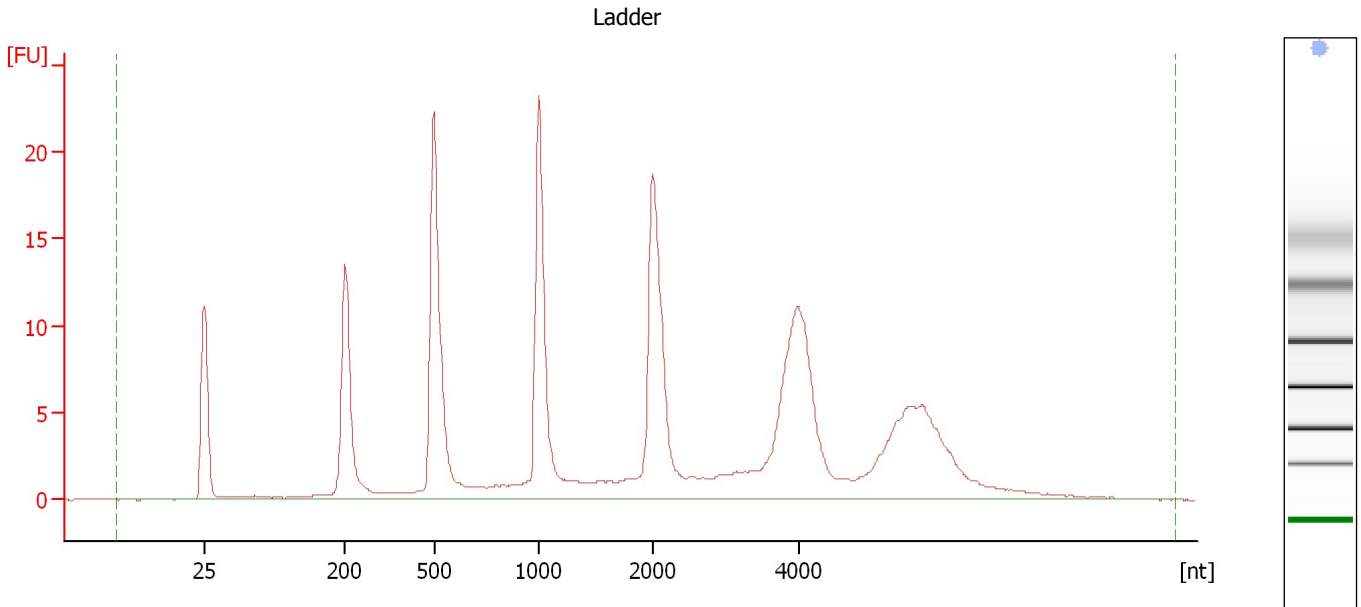
**Ladder**

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary**



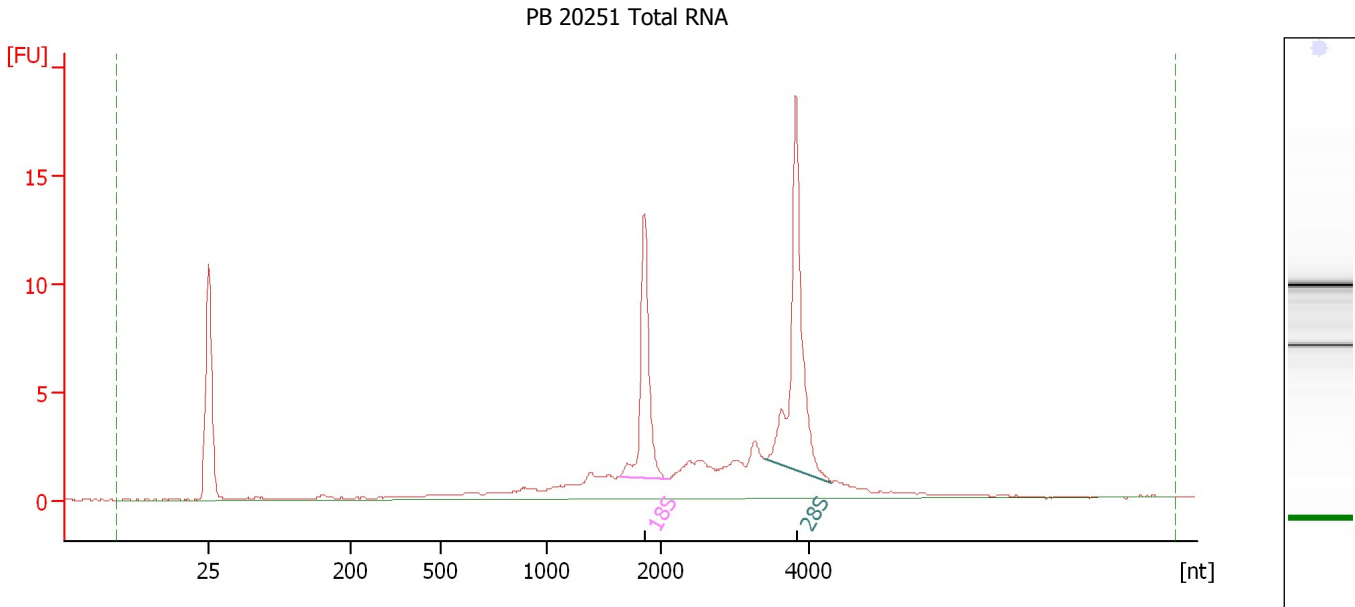
**Overall Results for Ladder**

RNA Area:	227.4	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
 Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : PB 20251 Total RNA**

RNA Area:	79.4	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	52 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 8.70

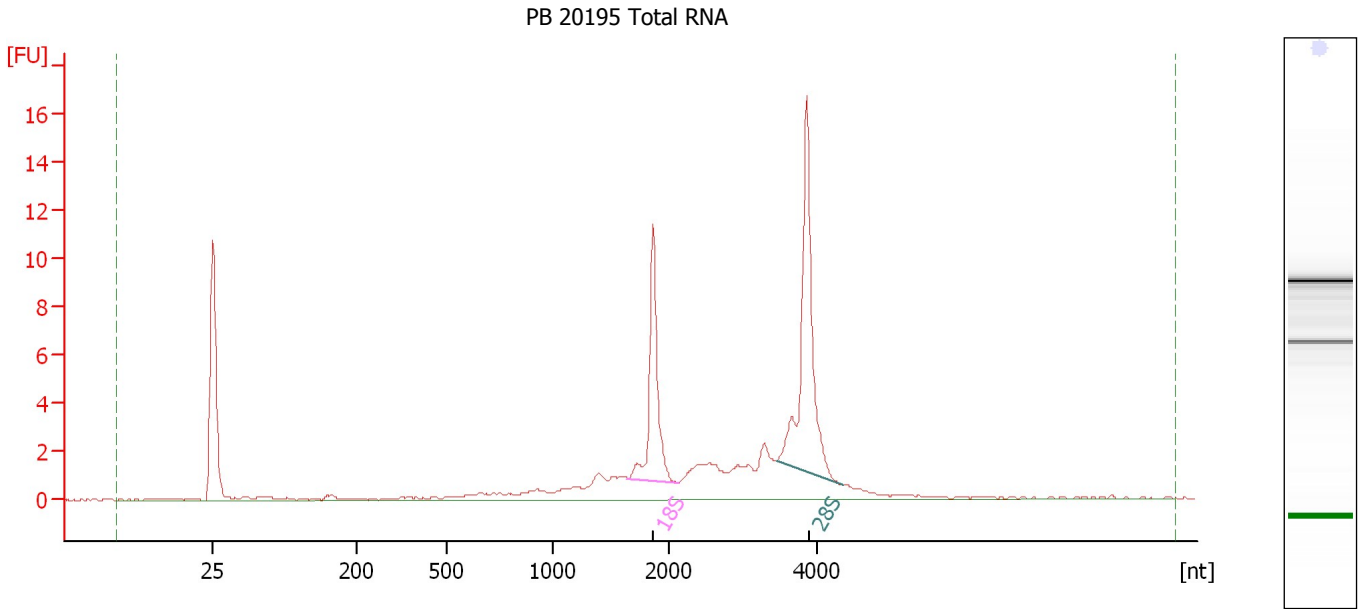
**Fragment table for sample 1 : PB 20251 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	2,122	11.9	15.0
28S	3,410	4,322	20.1	25.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : PB 20195 Total RNA**

RNA Area: 64.7 RNA Integrity Number (RIN): 8.9 (B.02.08)  
RNA Concentration: 43 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.90

**Fragment table for sample 2 : PB 20195 Total RNA**

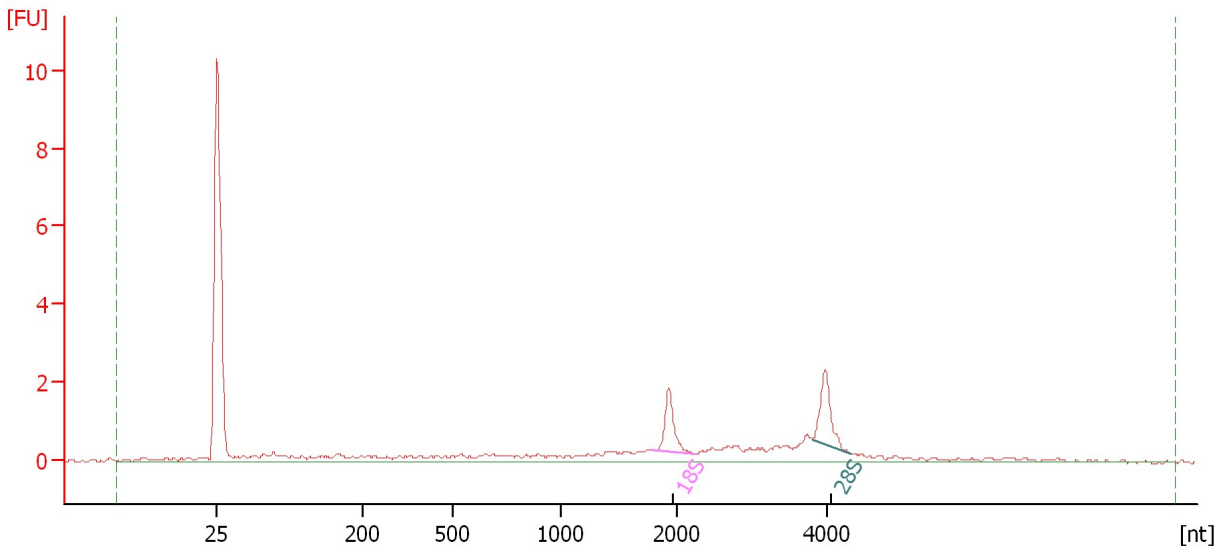
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,646	2,127	10.4	16.1
28S	3,448	4,352	17.1	26.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**

PB 21283 Total RNA



**Overall Results for sample 3 : PB 21283 Total RNA**

RNA Area: 20.4                      RNA Integrity Number (RIN): 7.3 (B.02.08)  
RNA Concentration: 13 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.1              Result Flagging Label: RIN: 7.30

**Fragment table for sample 3 : PB 21283 Total RNA**

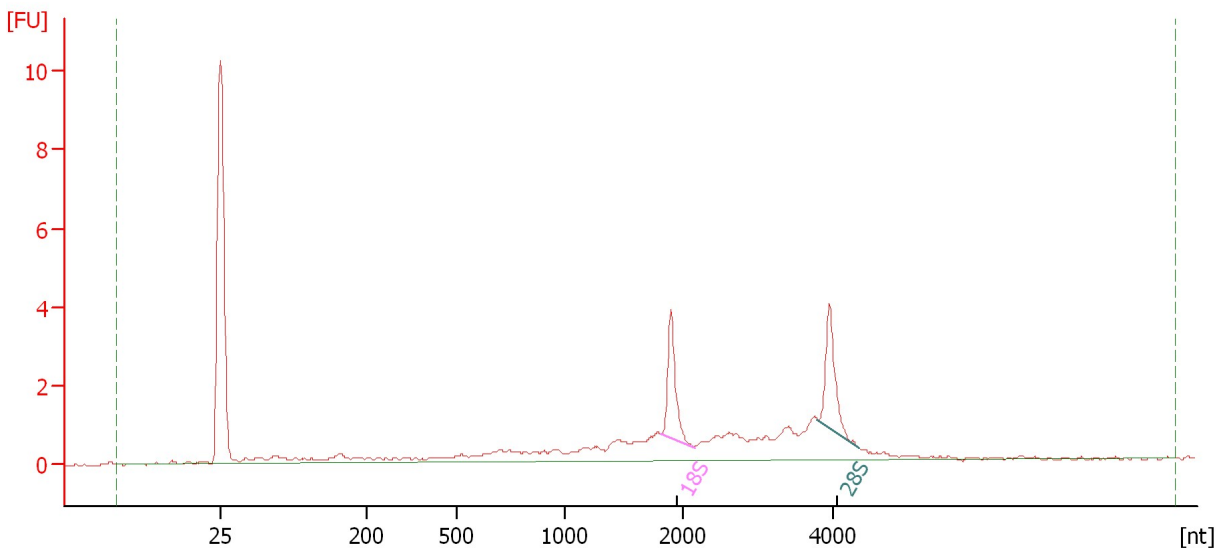
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,782	2,246	1.8	9.0
28S	3,812	4,325	2.1	10.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**

PB 21286 Total RNA



**Overall Results for sample 4 : PB 21286 Total RNA**

RNA Area: 30.4                      RNA Integrity Number (RIN): 7.3 (B.02.08)  
RNA Concentration: 20 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0              Result Flagging Label: RIN: 7.30

**Fragment table for sample 4 : PB 21286 Total RNA**

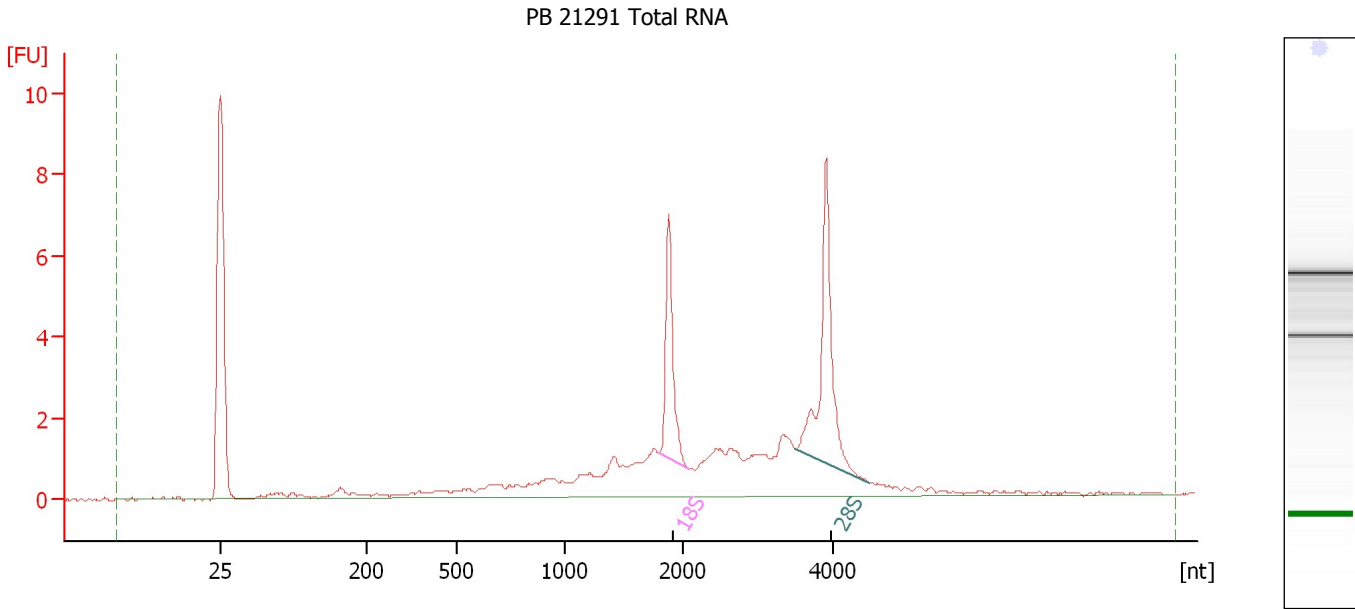
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,814	2,151	3.0	9.8
28S	3,792	4,344	3.0	9.8



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : PB 21291 Total RNA**

RNA Area: 49.1 RNA Integrity Number (RIN): 7.6 (B.02.08)  
RNA Concentration: 32 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 7.60

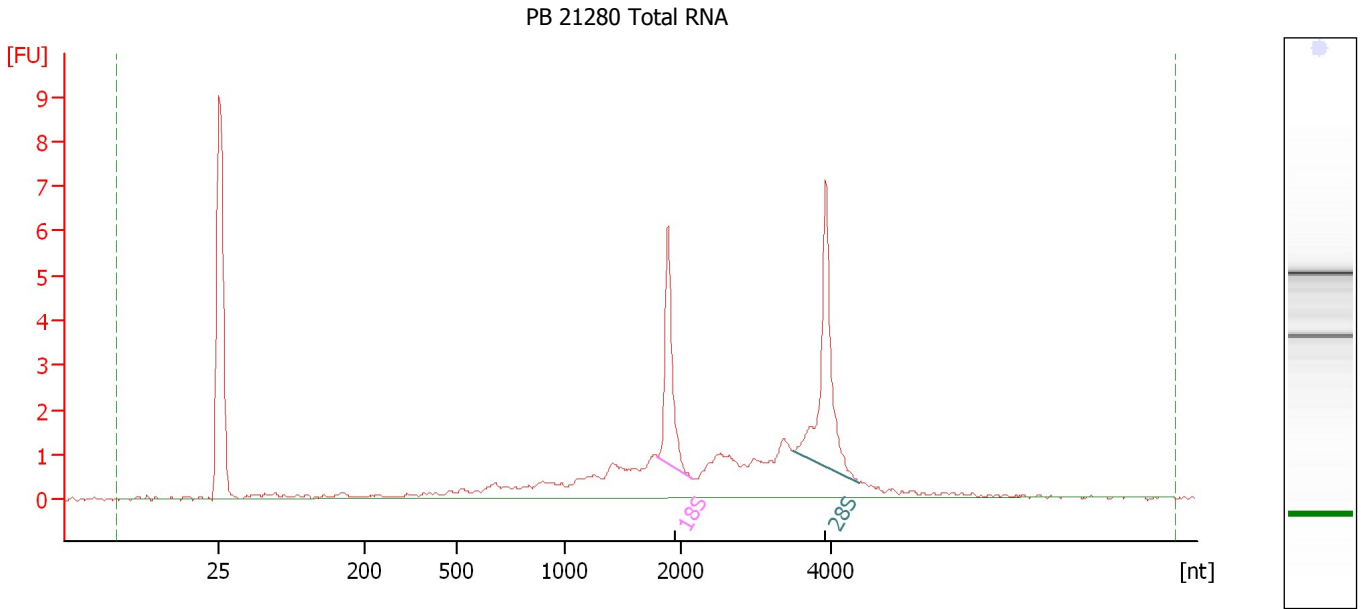
**Fragment table for sample 5 : PB 21291 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,795	2,080	5.3	10.8
28S	3,495	4,457	8.5	17.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : PB 21280 Total RNA**

RNA Area: 41.1 RNA Integrity Number (RIN): 7.7 (B.02.08)  
RNA Concentration: 27 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 7.70

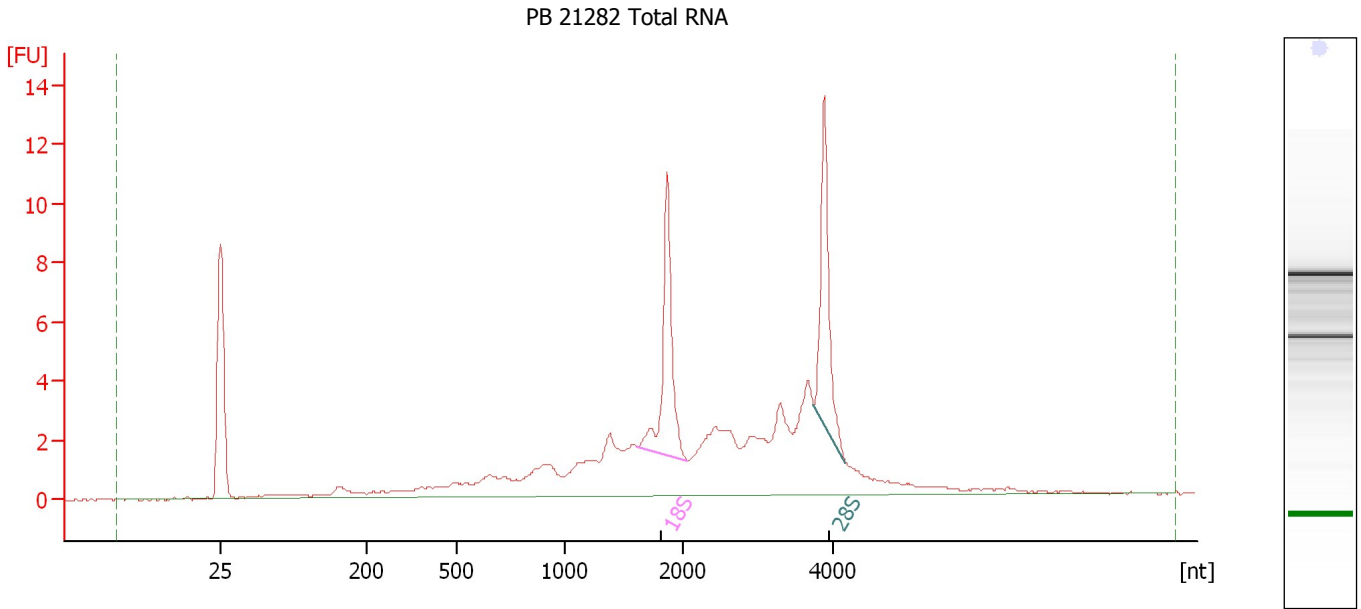
**Fragment table for sample 6 : PB 21280 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,803	2,164	4.7	11.4
28S	3,482	4,361	6.9	16.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : PB 21282 Total RNA**

RNA Area: 89.2 RNA Integrity Number (RIN): 6.9 (B.02.08)  
RNA Concentration: 59 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 6.90

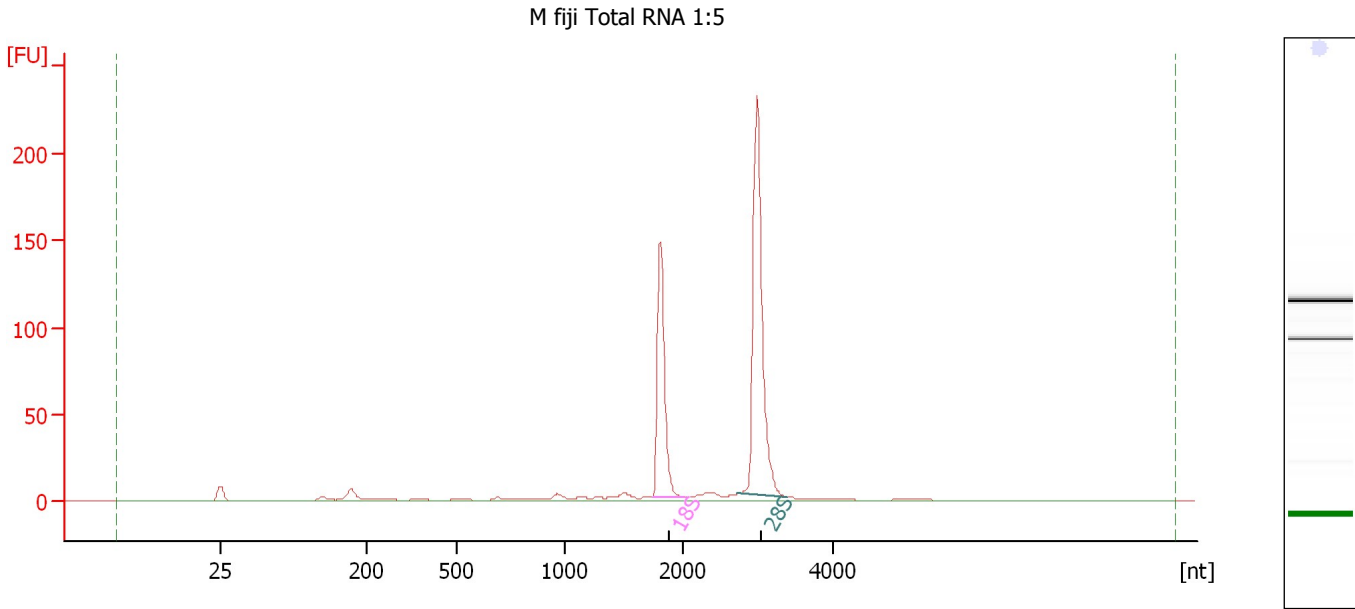
**Fragment table for sample 7 : PB 21282 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	2,066	10.4	11.6
28S	3,735	4,160	9.1	10.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : M fiji Total RNA 1:5**

RNA Area: 477.4                      RNA Integrity Number (RIN): 7.4 (B.02.08, Anomaly Threshold(s) manually adapted)  
RNA Concentration: 315 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
Result Flagging Color:   
Result Flagging Label: RIN: 7.40

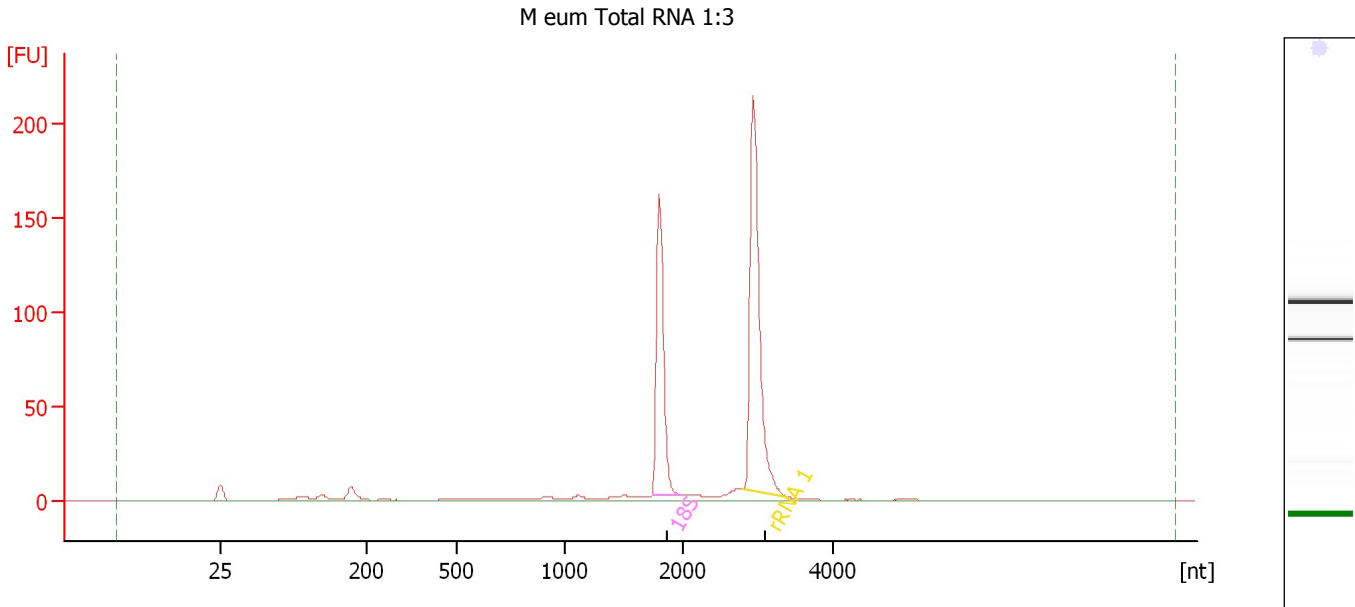
**Fragment table for sample 8 : M fiji Total RNA 1:5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,037	121.2	25.4
28S	2,729	3,372	218.7	45.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
 Modified: 10/9/2013 2:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : M eum Total RNA 1:3**

RNA Area:	479.7	RNA Integrity Number (RIN):	6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	316 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
		Result Flagging Label:	RIN: 6.50

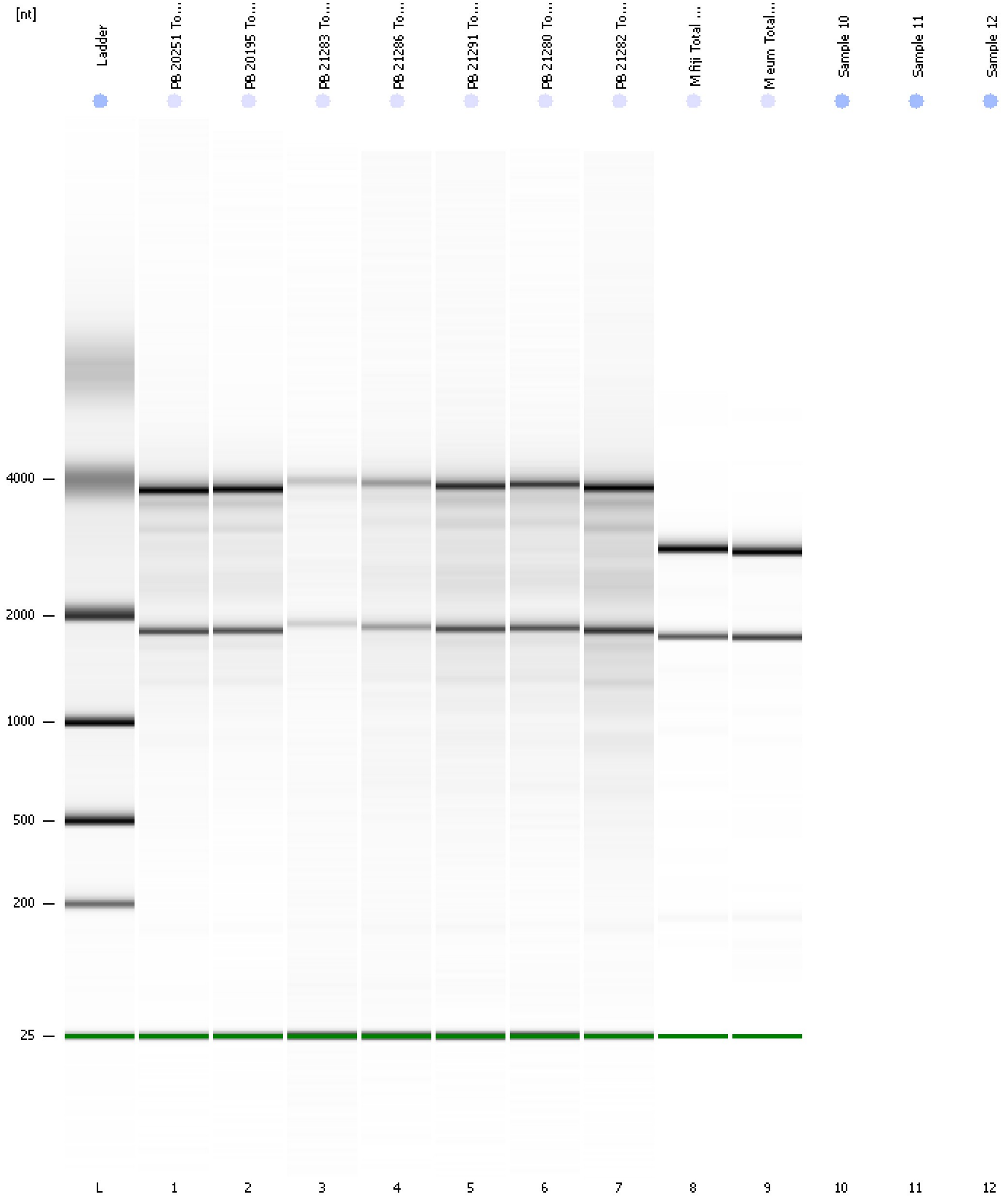
**Fragment table for sample 9 : M eum Total RNA 1:3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	1,991	130.0	27.1
rRNA 1	2,790	3,385	207.8	43.3

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-09\2013-10-09\_005.xad

Created: 10/9/2013 1:35:42 PM  
Modified: 10/9/2013 2:02:40 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.